

Recombinant Human FGF-18 (Fibroblast Growth Factor-18)








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Rev. 1.00

Catalog Number:	PHG0234
Quantity:	25 µg
Lot Number:	See product label.
Molecular Weight:	21.2 kDa, 182 amino acid residues.
Purity:	>95% by SDS PAGE and HPLC analyses.
Biological Activity:	ED ₅₀ <0.5 ng/mL (≥2 × 10 ⁶ units/mg), determined by the dose dependent stimulation of thymidine uptake by BaF3 cells expressing FGF-receptors. FGF-18 is a member of the FGF family of proteins and bears strong sequence homology with FGF-8. FGF-18 is expressed by lung, kidney, and at lower levels by skeletal muscle, heart, brain, and other tissues. FGF-18 stimulates the proliferation of liver and small intestine.
Formulation:	Lyophilized from 10 mM Tris, pH 8.0. Sterile filtered prior to lyophilization.
Endotoxin:	<0.1 ng/µg
Production:	Produced in <i>E. coli</i> and purified by sequential chromatography.
Reconstitution Recommendation:	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in 5 mM Tris, pH 8.0, to a concentration of 0.1–1.0 mg/mL. Further dilutions should be made in aqueous buffers supplemented with carrier protein, such as 0.1–1.0% BSA.
Suggested Working Dilutions:	The optimal concentration should be determined for each specific application.
Storage:	This lyophilized preparation is stable at 2°C to 8°C, but should be kept at –20°C for long term storage, preferably desiccated. Upon reconstitution, the preparation is stable for up to one week at 2°C to 8°C. For maximal stability, apportion the reconstituted preparation into working aliquots and store at –20°C. Avoid repeated freeze/thaw cycles.
Expiration Date:	Expires one year from date of receipt when stored as instructed.
References:	Hu, M. et al. (1998) Mol. Cell. Biol. 18:6063. Hu, M. et al. (1999) Oncogene 18:2635.

Explanation of Symbols

The symbols present on the product label are explained below:

Symbol	Description
	Catalog Number
	Research Use Only
	Use by
	Manufacturer
	Without, does not contain
	Protect from light
	Directs the user to consult instructions for use (IFU), accompanying the product.

Symbol	Description
	Batch code
	In vitro diagnostic medical device
	Temperature limitation
	European Community authorized representative
	With, contains
	Consult accompanying documents

Limited Use Label License: Research Use Only

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For Research Use Only. Caution: Not for human or animal therapeutic or diagnostic use.

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